
From: Solloway, Chris
To: Ex. 6 - Personal Privacy
Sent: 7/18/2014 3:14:26 PM
Subject: FW: OR CZARA: Riparian Review and summary of "loose ends"
Attachments: OR CZARA Reference Tracking (landslides pesticides agriculture riparian 071714).xlsx

From: Ferrando, Jennifer <jennifer.ferrando@tetrattech.com>
Sent: Friday, July 18, 2014 2:21 PM
To: Carlin, Jayne; Henning, Alan; Wu, Jennifer; Solloway, Chris; Waye, Don; allison.castellan@noaa.gov; Rueda, Helen
Cc: King, Amy; Hiser, Elizabeth; Kress, Erin
Subject: OR CZARA: Riparian Review and summary of "loose ends"

Good morning,

Attached please find a copy of the tracking file, which has been updated and completed (with exceptions noted below) for the riparian references.

For the riparian category we are missing the following references:

- Row 327: Oregon Watershed Restoration Inventory
- Row 362: Morman, D. 1993. Riparian rule effectiveness study report. Forest Practices Program, Oregon Department of Forestry in Salem Oregon.
- Row 364: US National Forest System. 1993. Viability Assessments and Management Considerations for Species Associated with Late-successional and Old-growth Forests of the Pacific Northwest: A Report of the Scientific Analysis Team (SAT) Report
- Row 389: Groom, J.D. et al. (in preparation) Timber harvest and the assessment of Oregon's Biologically-Based Numeric Criteria in Coast Range streams.
- Row 390: Ice, G.G. and S.H. Schoenholtz. 2003. Understanding how extremes influence water quality: Experiences from forest watersheds. Hydrologic Science and Technology 19(1-4):403-420.
- Row 424: Rhodes (2005: 23)
- Row 435: Franklin, J.F., D. Lindenmayer, J.A. MacMahon, A. McKee, and J. Magnuson. 2000. Threads of Continuity, Conservation in Practice 1 (1), 8-17
- Row 436: Swanston 1981
- Row 451: Richards, K, 1982 River: Form and process in alluvial channel, Methuen, London, 361 pp.

In addition, please note the following questions or other issues (in red font) for the following riparian references:

- Row 333: Morgan, J. 2012. Private Forest Landowners and the Oregon Plan. Oregon Department of Forestry, Private Forests Division. Not clear what should be checked in the reference. The document does not specifically reference the two rule concepts that were included in the Oregon Plan and it is not clear whether/how they are addressed in the voluntary measures described in the reference.
- Row 403: Independent Multidisciplinary Science Team (IMST). 1999. Recovery of wild salmonids in Western Oregon forests: Oregon Forest Practices Act rules and the measures in the Oregon Plan for Salmon and Watersheds. Technical Report 1999-1 to the Oregon Plan for Salmon and Watersheds, Governor's Natural Resources Office, Salem, Oregon. Available at: <http://www.fsl.orst.edu/imst/reports/1999-1.pdf> It is unclear what should be checked in this reference
- Row 366: No reference identified for comment 58-H "Since streams form a linked network, water quality and stream health is closely associated with the intensity and cumulative extent of forest management activities near streams of all sizes, in all parts of the network." Link was broken
- Row 368: No reference identified for comment 58-H "The OFPA and similarly intensive forest practices have been widely criticized for failing to protect water quality and salmonid habitat (failures relate to shade, large wood, tributary protection, unstable slopes, and road system impacts)" Link was broken
- Row 381: Google Earth. No locational information was given for Google Earth map identification.

- Row 408: Reviewer noted: they did not reference a citation, but this would be it if they did - Kibler, K. M., Skaugset, A., Ganio, L. M., & Huso, M. M. (2013). Effect of contemporary forest harvesting practices on headwater stream temperatures: Initial response of the Hinkle Creek catchment, Pacific Northwest, USA. *Forest Ecology and Management*, 310, 680-691. Should this reference be checked, since it was not cited by the commenter?
- Row 437: "Ziemer. 1984. Response of progressive hillslope deformation to precipitation. In Symposium on the Effects of Forest Land Use on Erosion and Slope Stability, p. 91-98. Environment and Policy Institute, East-West Center, University of Hawaii, Honolulu." Appears to be the wrong reference; the report does not address timber harvest.
- Row 438: Benda et al 1988. Reference not found, could the author have meant to refer to Benda et al. 1998?
- Row 371-380: The commenter urges EPA to review several references in detail to fully appreciate water quality impacts from forestry and road management but does not tie to any statements or facts. The references were obtained but were not reviewed, since the author does not cite specific information in the documents.

For the agriculture category, we are still missing one reference:

- Row 128: Letter from Joe Whitworth, President of The Freshwater Trust, to Nancy Stellmach, Water Quality Permit Coordinator, Oregon DEQ, City of Wilsonville Proposed Modification of Permit and City of Wilsonville Proposed Water Quality Trading Program (Sept. 27, 2013) (on file with the author). Per Alan Henning (via email 7/11/2014), EPA should have this letter on file and if not should be able to get it from TFT.

For the landslide category, one reference is still unaccounted for:

- Row 27: National Council for Air and Stream Improvement, Inc. (NCASI). 1985. Catalog of landslide inventories for the Northwest. Technical Bulletin 456. Research Triangle Park, NC. National Council for Air and Stream Improvement, Inc. EPA cannot send hard copy. Need to scan to review or EPA needs to review.

And for pesticides, we are still missing one document and awaiting Jenny review on a second:

- Row 61: Norris, L.A. and P. Charlton. 1995. Determination of the effectiveness of herbicide buffer zones in protecting water quality, p. 147-152. In: G.J. Doucet, C. Sequin, and M. Giguere (eds.). *Proceedings: Fifth International Symposium on Environmental Concerns in Rights-of-way Management*. 9/19-22/1993. Hydro-Quebec, Montreal, Canada. Request from author?
- Row 54 (57-CF-A)

If any of you have or know where we can find the missing documents, or can help to address any of the other loose ends, please let us know and we will review them to finish up the landslides, pesticides, and agriculture categories. We received the references for forest roads comments and have begun checking on those.

Thank you!
-Jennifer

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